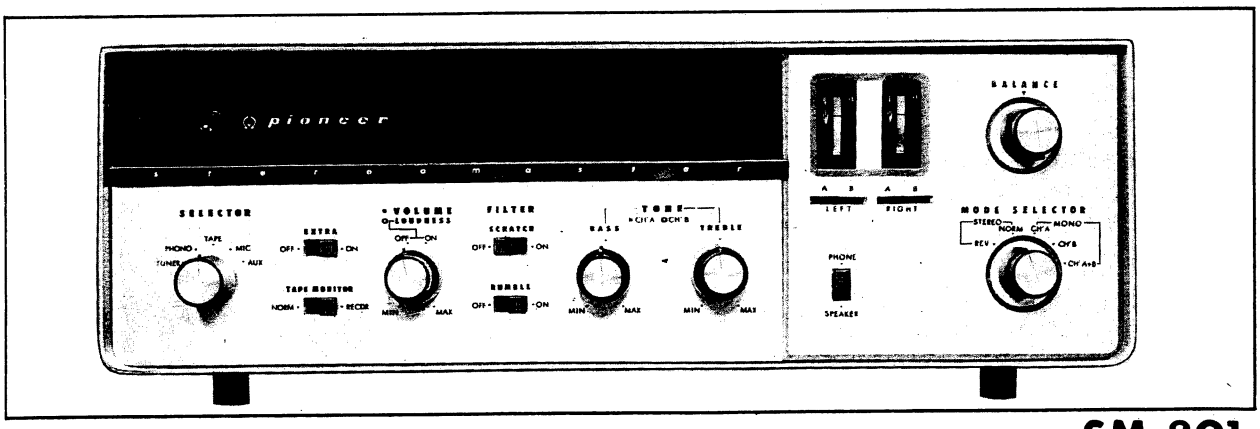
PION-05888

THREE BRAND NEW AMPLIFIERS FROM PIONEER, LEADER OF AUDIO IN JAPAN

* The SM-801, a high power output stereo preamplifier-power amplifier.
* The SM-G205, a complete stereo receiver incorporating a built-in FM multiplex circuit.
* The SM-G204, a complete stereo receiver equipped with four tuner circuits, designed for reception of all forms of stereo broadcasts.



SM-801

PIONEER

PIONEER ELECTRONIC CORPORATION

SM-G205

SM-G204

SM-G204

* Controls and switches have been kept to a minimum for easy handling and operation.
* Equipped with two pairs of ECL-86/6GW8s, an efficient tube type developed in Europe expressly for audio applications, working in pushpull circuits to provide a full 16 watts of power per channel.
* Equipped with effective sharp roll-off rumble and scratch filters.
* Incorporates an FM tuner with tuning range of 80—108 Mc, two broadcast band AM tuners with tuning ranges of 535—1,605 kc, and a shortwave AM tuner with a tuning range of 3.8—12 Mc.
* An output jack for a stereophonic headset is provided on the front panel together with a selector switch.
* Circuit incorporates a loudness control with off-on switch.
* Outputs are provided for tape-recording of program material. Program material can be monitored during recording.
* A center channel speaker output is provided for augmented stereo coverage.

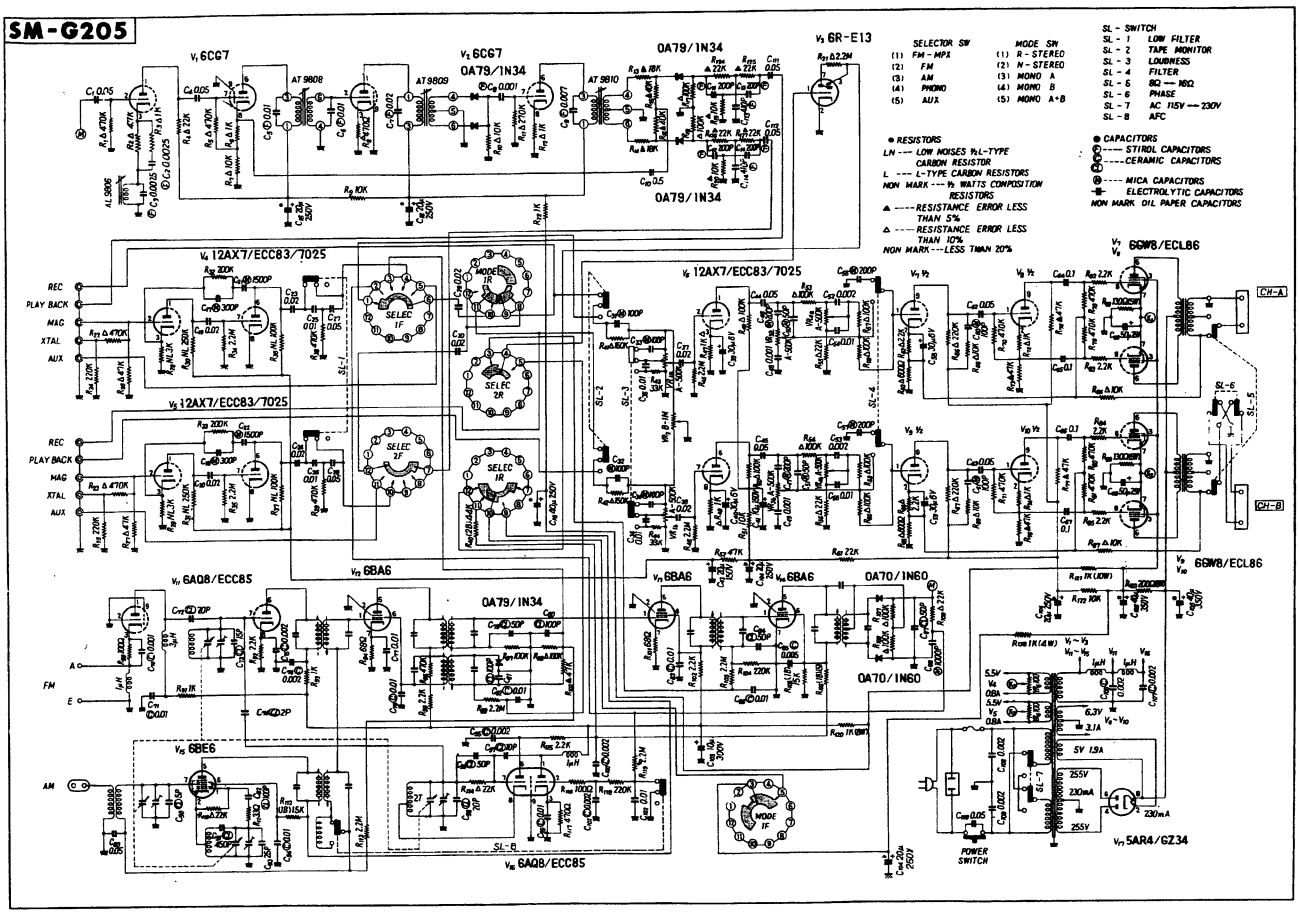
SM-G205

* Features a built-in FM multiplex circuit to provide low-distortion, extremely low noise stereophonic reception, with high channel separation.
* Provides two channels of 16 watts of distortion-free power per channel using two pairs of ECL-86/6GW8s in pushpull circuits.
* Output impedances of the phase inverter circuits in the power output stages are carefully balanced for stable, low-distortion operation.
* All controls and switches are designed and located for simple operation.
* Unique handsome design.
* Tuning ranges of the tuner circuits are ;
  AM (broadcast band) : 535—1,605 kc
  FM : 88—108 Mc

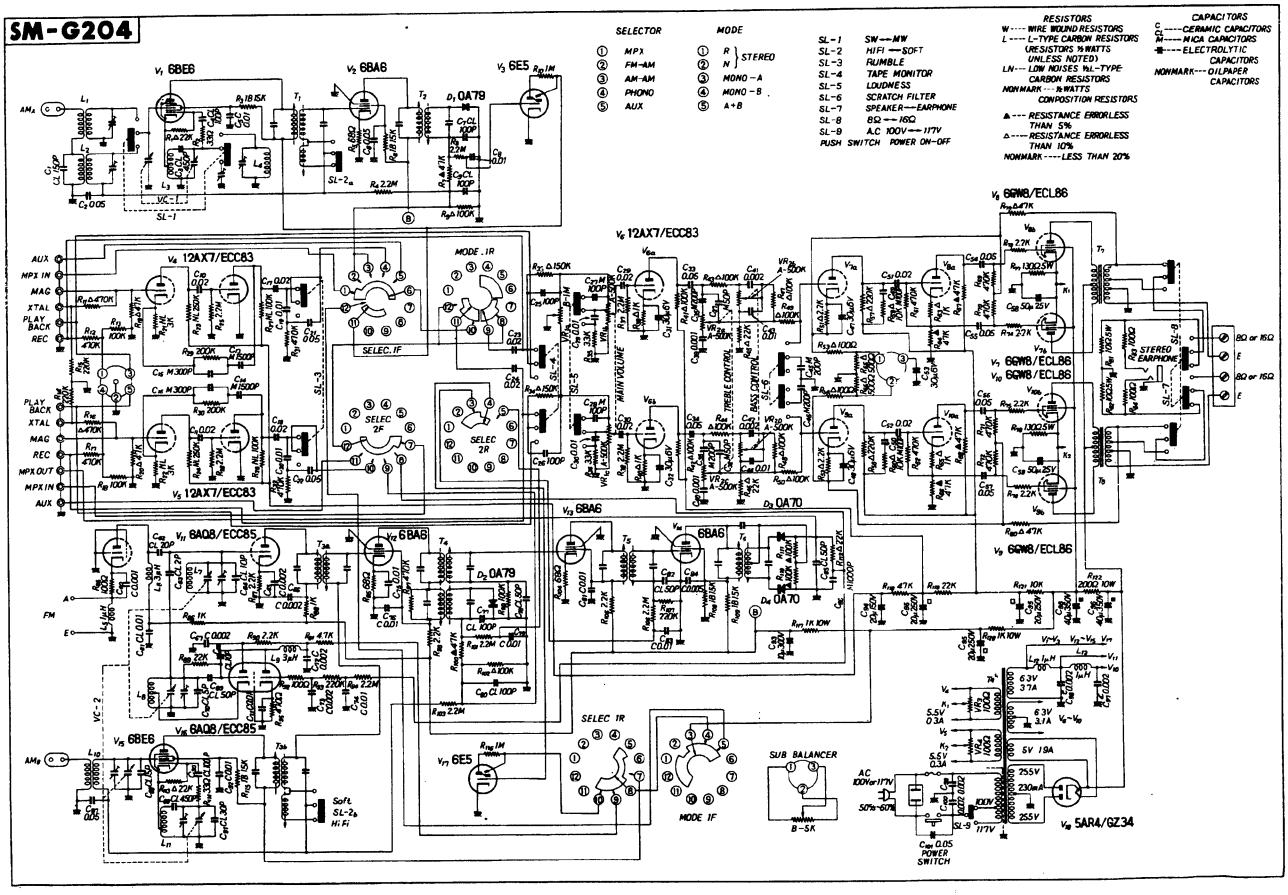
SM-801

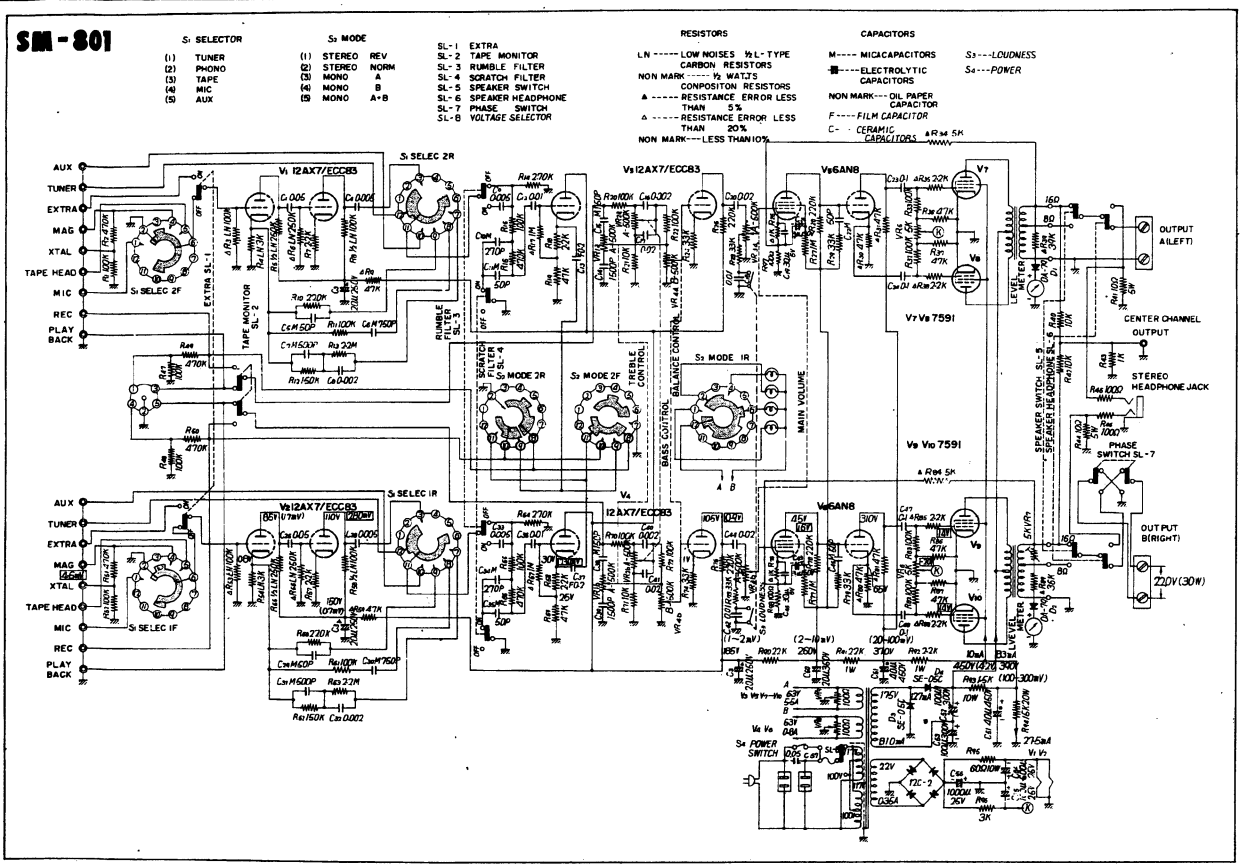
* Provides maximum output of 45 watts per channel using two pairs of the newly developed 7591 type tubes in pushpull circuits.
* Equipped with output transformers made by TAMRADIO, the ultimate in Japanese output transformers.
* Power supply circuit is comprised of a voltage doubler circ using silicon diode rectifiers for outstanding regulation, in turn provides extremely low-distortion reproduction unaff by fluctuations in signal input.
* Preamplifier tube heaters are fed by hum-free DC for noise-free operation.
* Extra terminals provided for maximum versatility in input circuits.
* Equipped with two level indicator meters, that also provide readings on channel balance.
* Incorporates loudness control circuit, with off-on switch, for automatic compensation of response to conform with variations in the sensitivity of the human hear at different volume settings.
* Output jacks are provide for tape-recording of program material. Program material can be monitored while recording.
* Accept inputs from all types of pickup cartridges, includi moving magnet type cartridges, high output moving coil ty cartridges, etc.
* Equipped with a center channel output for full-dimension stereo coverage, with the addition of a third amplifier.
* Features modernistic design and handsome finish.

SM-G205



SM-G204





Specifications

Model No.	SM-G204	SM-G205	SM-801
Vacuum tubes:	18 tubes, 4 diodes	19 tubes, 7 diodes	10 tubes, 4 diodes
Frequency range:	MW 535 to 1605 kc	MW 535 to 1605 kc	
	SW 3.8 to 12Mc		
	FM 80 to 108Mc	FM 88 to 108Mc	
Maximum sensitivity:	MW 19μV (at 1Mc, 500mW output, 30% modulation)	MW 19μV (at 1Mc, 500mW output, 30% modulation)	
	SW 60μV (at 8Mc, 500mW output, 30% modulation)	FM 10μV (95Mc, 500mW output, 30% modulation, S/N 30dB)	
Input and gain:	MAG. PU, 2.5mV (For obtaining 11W output at 1Kc)	MAG. PU, 2.5mV (For obtaining 11W output at 1kc)	MAG. PU, 3.7mV (For obtaining 35W output at 1Kc)
	XTAL. PU, 28mV (〃)	XTAL. PU, 28mV (〃)	XTAL, 24mV (〃)
	TAPE, (play) 165mV (〃)	TAPE (play), 165mV (〃)	TAPE, 3.5mV (〃)
	AUX, 165mV (〃)	AUX, 165mV (〃)	MIC, 3.7mV (〃)
			EXTRA, 3.5/3.7mV (〃)
			TUNER, 240mV(〃)
			AUX, 240mV(〃)
S/N ratio:	MAG. PU, over 50dB	MAG. PU, over 50dB	MAG. PU, over 50dB
	AUX, over 70dB	AUX, over 70dB	AUX, over 60dB
Equalizers:	NF type, RIAA curve	NF type, RIAA curve	MAG, NF type, RIAA curve
Filter:	Scratch,—8dB at 10kc	Low filter,—7dB at 50 cps	Scratch,—13dB at 10kc
	Rumble,—7dB at 50 cps	High filter,—8dB at 10 kc	Rumble,—7dB at 50cps
Frequency response:	20 cps to 50kc ± 1 dB	20 cps to 50kc ± 1 dB	20 cps to 50kc ± 1 dB
Maximum output:	16W×2 (ECL86=6GW8 P.P. 2 channels)	16W×2 (ECL86=6GW8 P.P. 2 channels)	45W×2 (7591 P.P. 2 channels)
Loudness control:	Can be switched ON-OFF +8dB at 50 cps and +6dB at 10kc with volume control at −30dB	Can be switched ON-OFF +8dB at 50 cps and +6dB at 10kc with volume control at −30dB	Can be switched ON-OFF +9dB at 50 cps with volume control at −30dB
Output terminal:	8 and 16 ohm for speaker (each channel)	8 and 16 ohm for speaker (each channel)	8 and 16 ohm for speaker
	Provision for center speaker	Provision for center speaker	For center speaker.
			For tape recording.
			For earphones and phase reversing switch.
Auxiliary circuit:		AFC for FM, multiplex circuit for FM	
Maximum dimension:	18 ⅛(W)×13 ¾(D)×5 ⅛(H) inch	18 ⅛(W)×13 ¾(D)×5 ⅛(H) inch	16 ⅞(W)×12 ⅛(D)×5 ⅛(H) inch
Weight:	29 lbs	29 lbs	34 ¾ lbs

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